FIG. 1

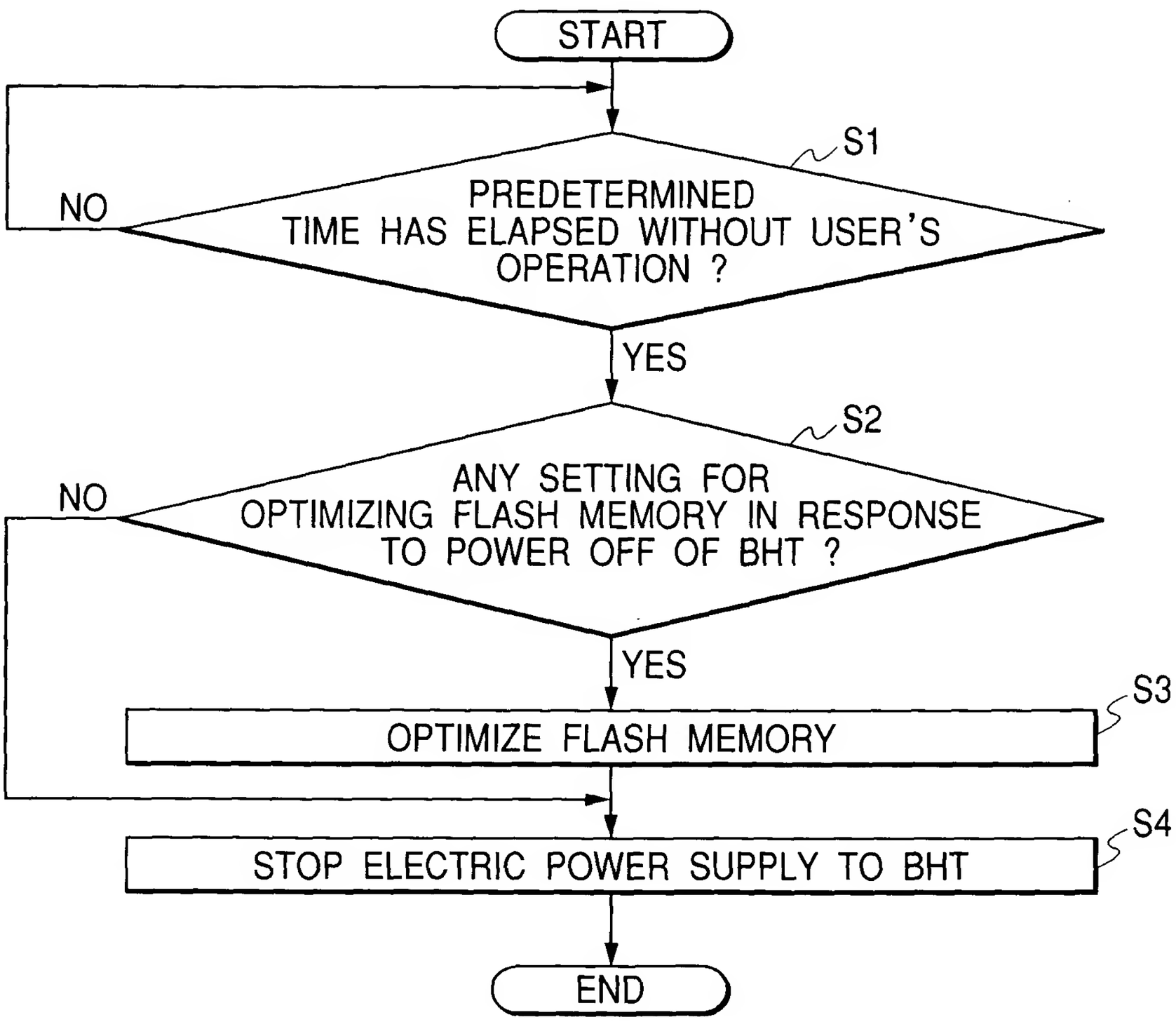

START
S1
PREDETERMINED TIME HAS ELAPSED WITHOUT USER'S OPERATION ?
NO
YES
S2
ANY SETTING FOR OPTIMIZING FLASH MEMORY IN RESPONSE TO POWER OFF OF BHT ?
NO
YES
S3
OPTIMIZE FLASH MEMORY
S4
STOP ELECTRIC POWER SUPPLY TO BHT
END

FIG. 2

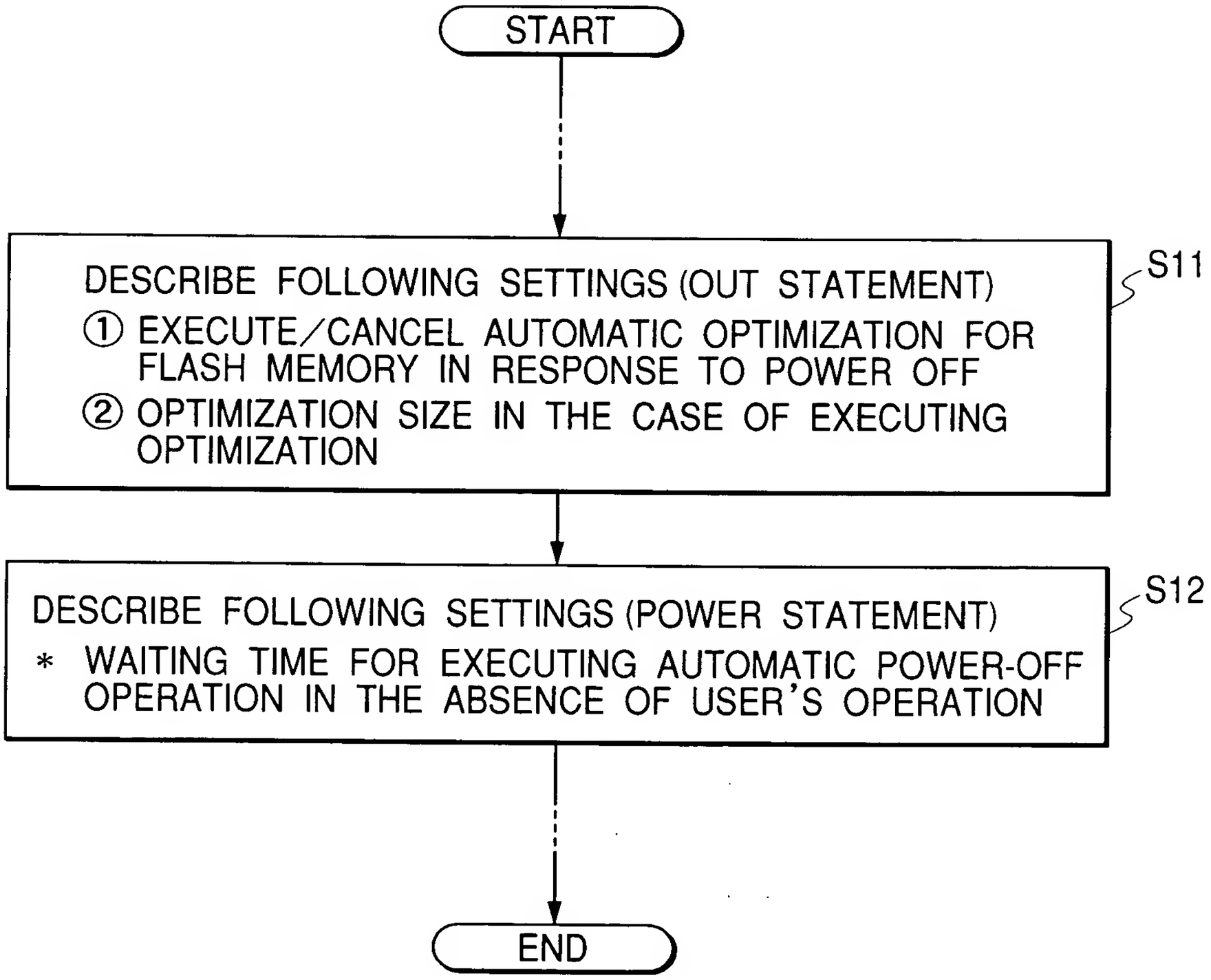

START
DESCRIBE FOLLOWING SETTINGS (OUT STATEMENT)
① EXECUTE/CANCEL AUTOMATIC OPTIMIZATION FOR FLASH MEMORY IN RESPONSE TO POWER OFF
② OPTIMIZATION SIZE IN THE CASE OF EXECUTING OPTIMIZATION
S11
DESCRIBE FOLLOWING SETTINGS (POWER STATEMENT)
* WAITING TIME FOR EXECUTING AUTOMATIC POWER-OFF OPERATION IN THE ABSENCE OF USER'S OPERATION
S12
END

FIG. 3

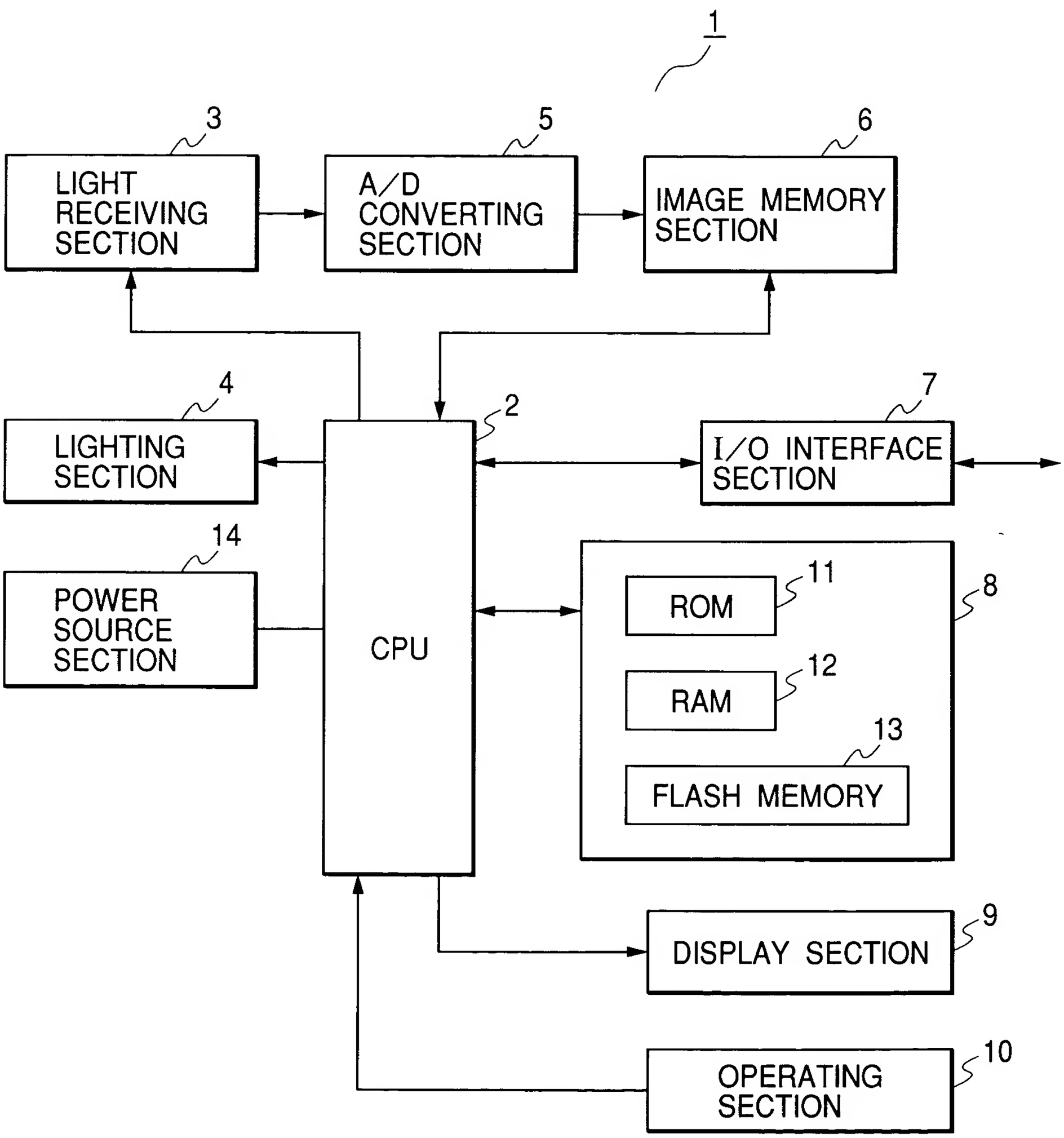

1
3
5
6
LIGHT RECEIVING SECTION
A/D CONVERTING SECTION
IMAGE MEMORY SECTION
4
2
7
LIGHTING SECTION
I/O INTERFACE SECTION
14
POWER SOURCE SECTION
CPU
ROM
11
8
RAM
12
13
FLASH MEMORY
DISPLAY SECTION
9
OPERATING SECTION
10

FIG. 4

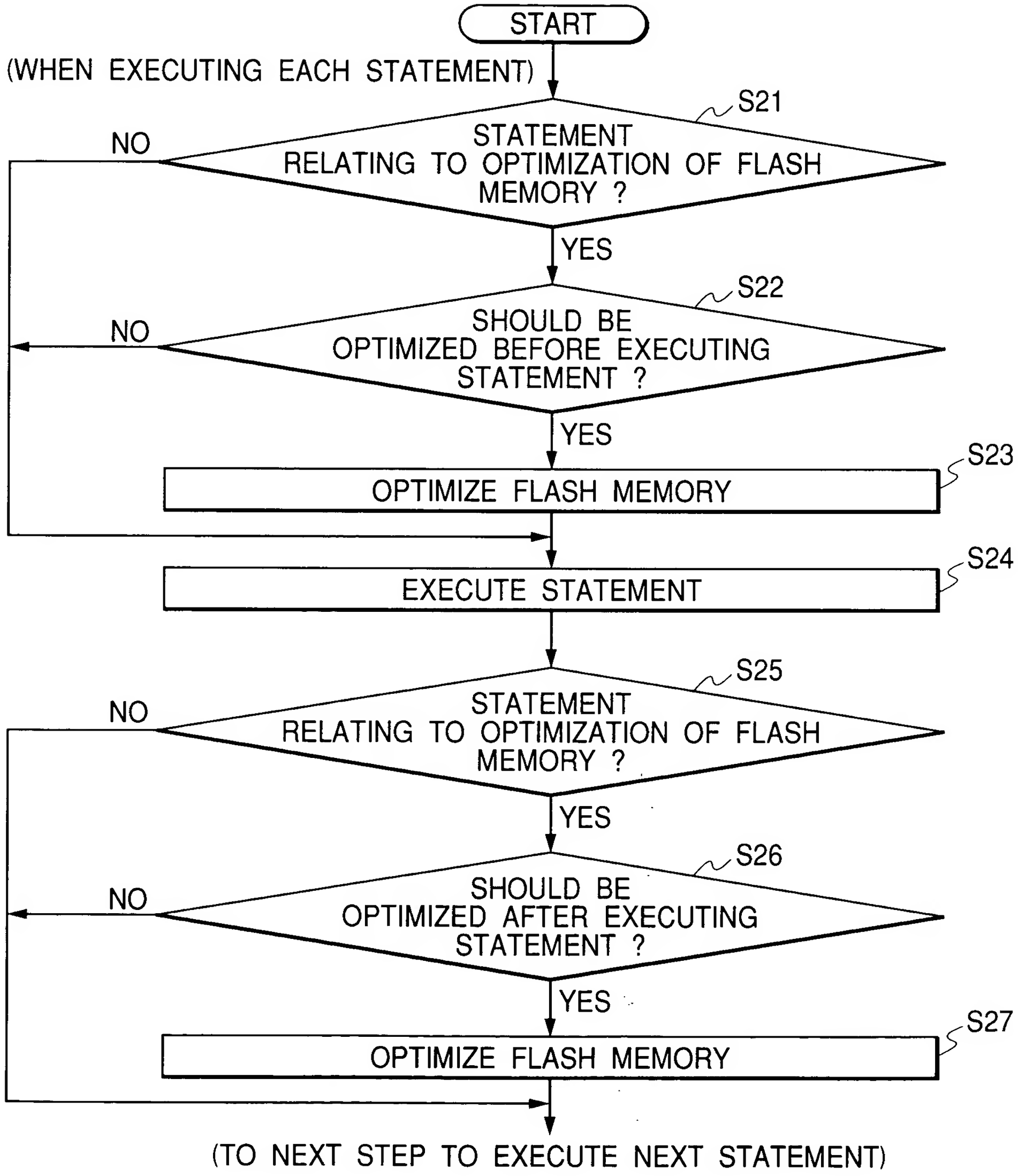

START
(WHEN EXECUTING EACH STATEMENT)
S21
STATEMENT RELATING TO OPTIMIZATION OF FLASH MEMORY ?
NO
YES
S22
SHOULD BE OPTIMIZED BEFORE EXECUTING STATEMENT ?
NO
YES
S23
OPTIMIZE FLASH MEMORY
S24
EXECUTE STATEMENT
S25
STATEMENT RELATING TO OPTIMIZATION OF FLASH MEMORY ?
NO
YES
S26
SHOULD BE OPTIMIZED AFTER EXECUTING STATEMENT ?
NO
YES
S27
OPTIMIZE FLASH MEMORY
(TO NEXT STEP TO EXECUTE NEXT STATEMENT)

FIG. 5

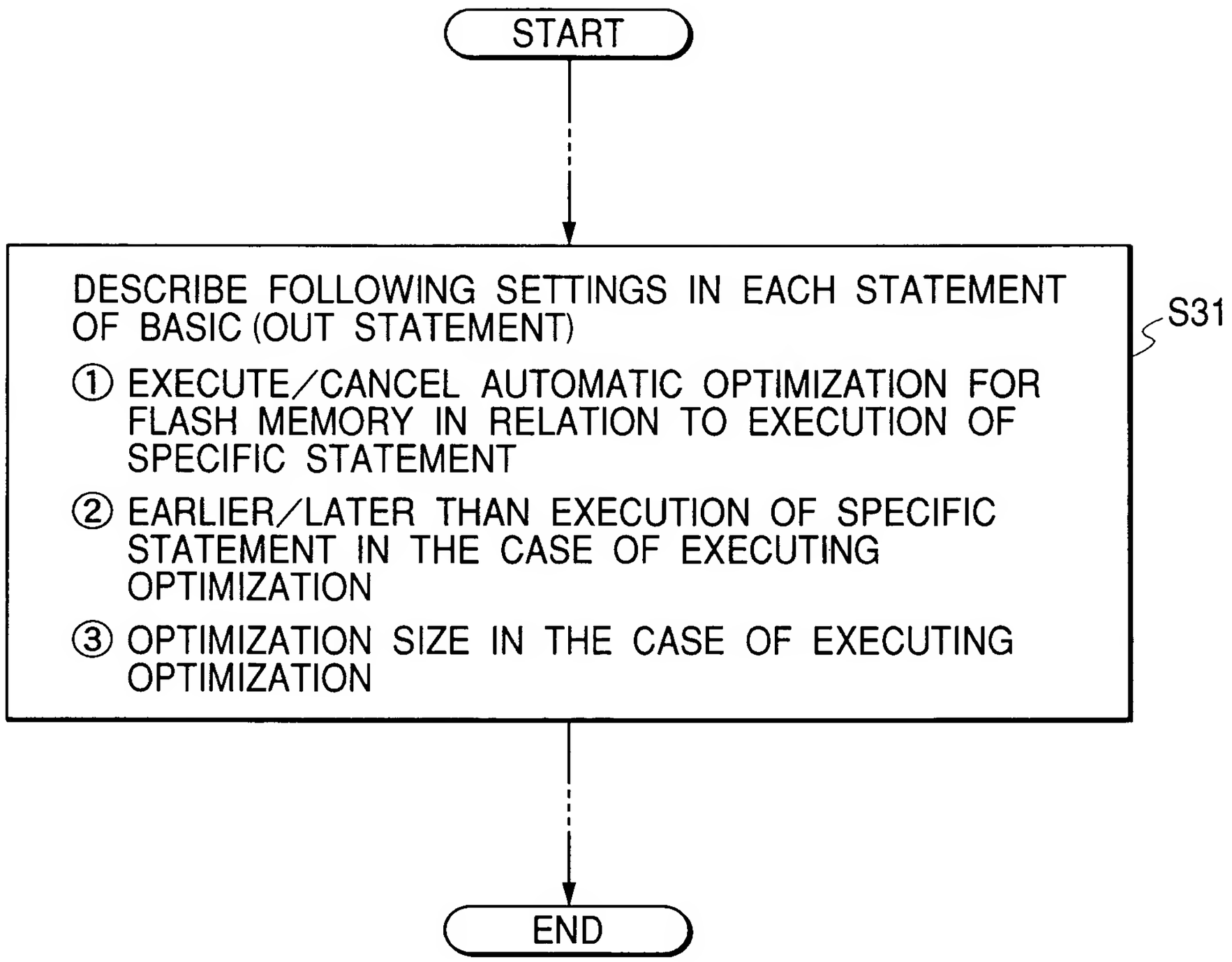

START
DESCRIBE FOLLOWING SETTINGS IN EACH STATEMENT OF BASIC (OUT STATEMENT)
① EXECUTE/CANCEL AUTOMATIC OPTIMIZATION FOR FLASH MEMORY IN RELATION TO EXECUTION OF SPECIFIC STATEMENT
② EARLIER/LATER THAN EXECUTION OF SPECIFIC STATEMENT IN THE CASE OF EXECUTING OPTIMIZATION
③ OPTIMIZATION SIZE IN THE CASE OF EXECUTING OPTIMIZATION
S31
END

FIG. 6

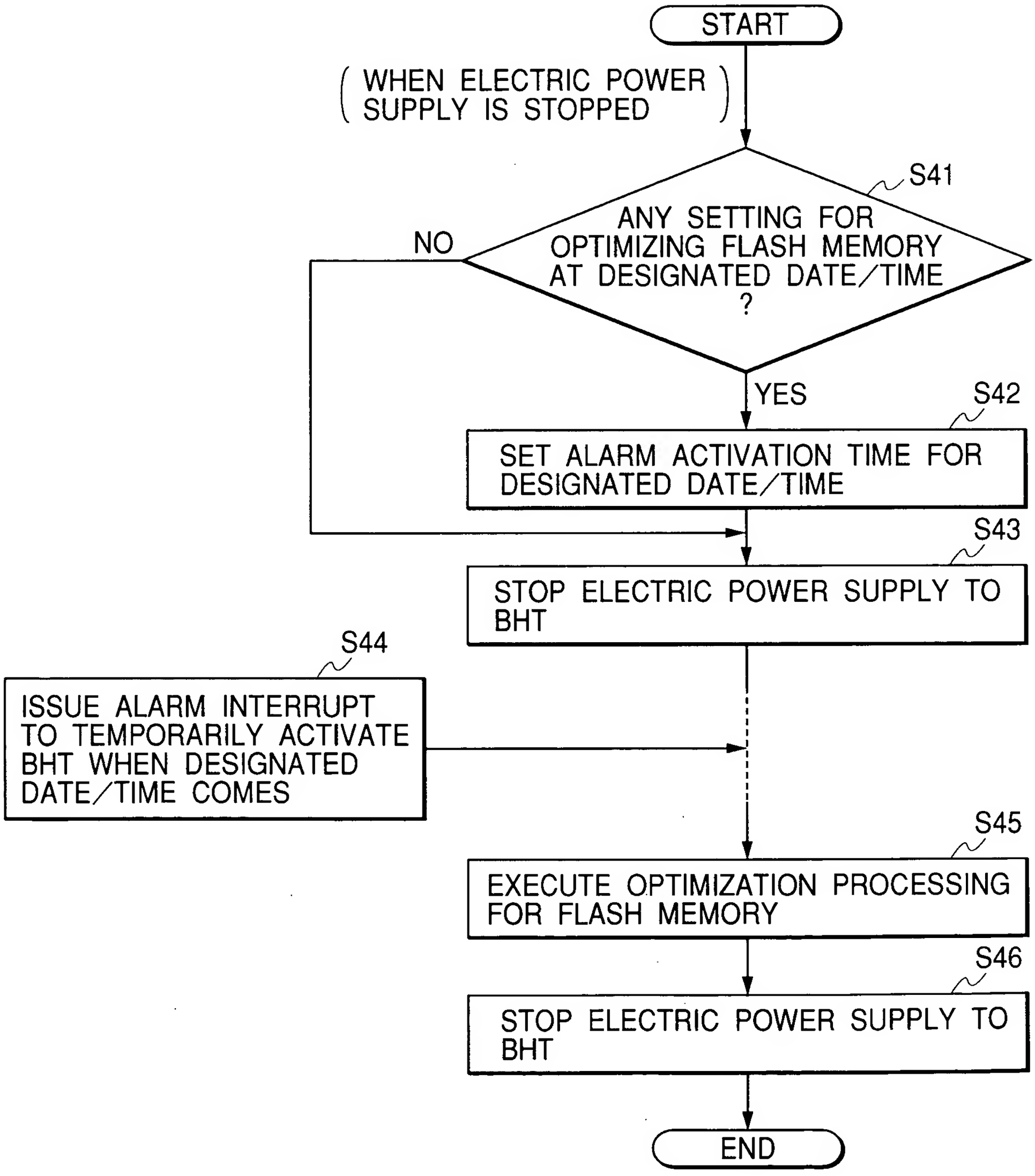
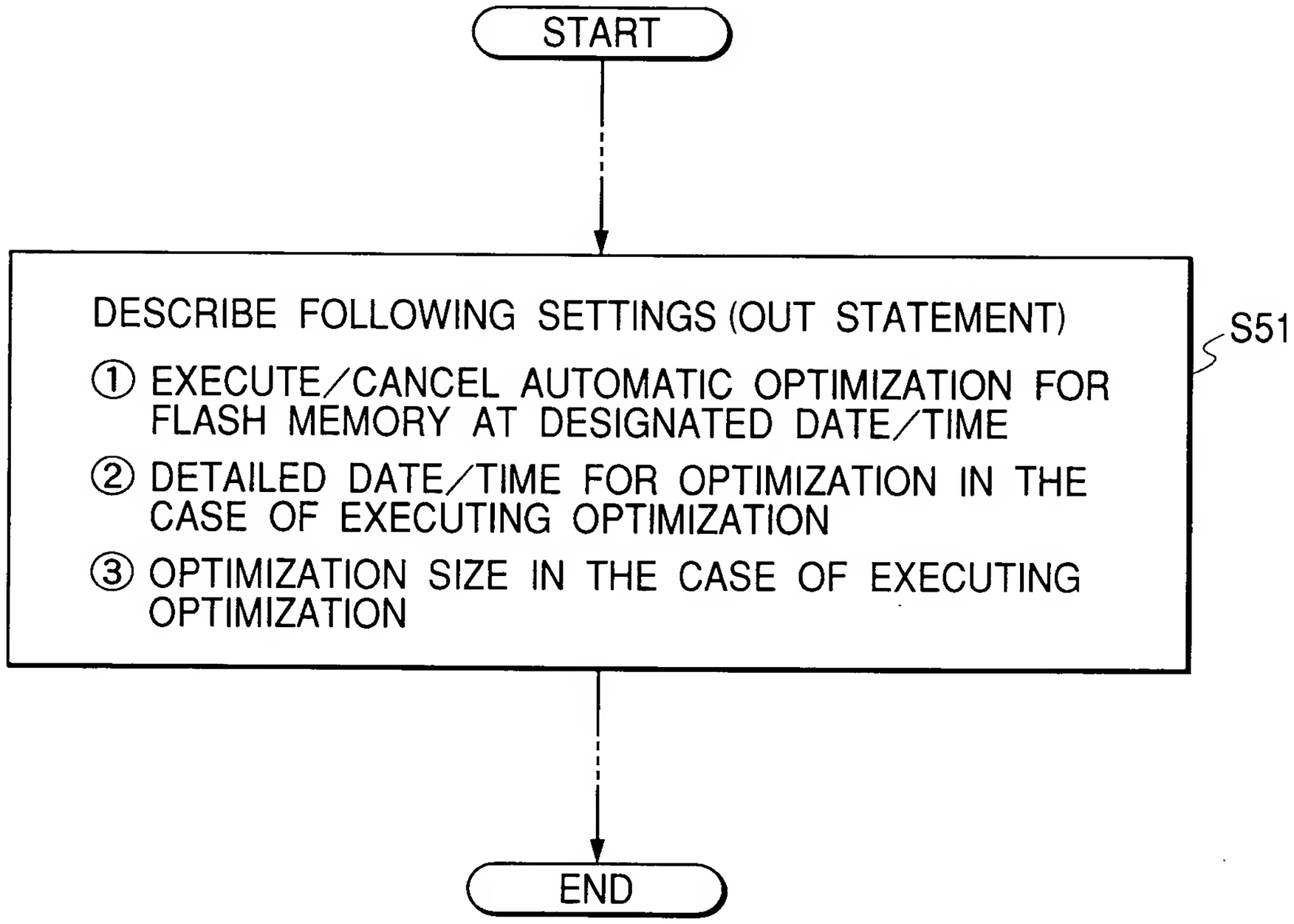

START
(WHEN ELECTRIC POWER SUPPLY IS STOPPED)
S41
ANY SETTING FOR OPTIMIZING FLASH MEMORY AT DESIGNATED DATE/TIME ?
NO
YES
S42
SET ALARM ACTIVATION TIME FOR DESIGNATED DATE/TIME
S43
STOP ELECTRIC POWER SUPPLY TO BHT
S44
ISSUE ALARM INTERRUPT TO TEMPORARILY ACTIVATE BHT WHEN DESIGNATED DATE/TIME COMES
S45
EXECUTE OPTIMIZATION PROCESSING FOR FLASH MEMORY
S46
STOP ELECTRIC POWER SUPPLY TO BHT
END

FIG. 7


START
DESCRIBE FOLLOWING SETTINGS (OUT STATEMENT)
① EXECUTE/CANCEL AUTOMATIC OPTIMIZATION FOR FLASH MEMORY AT DESIGNATED DATE/TIME
② DETAILED DATE/TIME FOR OPTIMIZATION IN THE CASE OF EXECUTING OPTIMIZATION
③ OPTIMIZATION SIZE IN THE CASE OF EXECUTING OPTIMIZATION
S51
END